



Sheet 1 of 1

<b>FORM PTO-1449</b> <b>U.S. DEPARTMENT OF COMMERCE</b> <b>PATENT AND TRADEMARK OFFICE</b>  <b>LIST OF REFERENCES CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C2	10/756,422
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	<del>2615</del> 2621

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
<i>Lee</i>	AG	JP 6-67945	03/1994	Japan			X
	AH						
	AI						
	AJ						
	AK						
	AL						

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

			TRANSLATION YES NO	
<i>Lee</i>	AM	Office Action issued in Japanese Patent Application no. 2002-228014 on September 6, 2005		

EXAMINER	DATE CONSIDERED
<i>CHRISTOPHER DASU ARU</i>	<i>10/3/06</i>
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1293.1073C2

APPLICATION NO.

10/756,422

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP/UNIT

2622 2621

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>lmo</i>	AA	6,009,234	12/1999	Taira et al.			
	AB						
	AC						
	AD						
	AE						
	AF						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
<i>lmo</i>	AG	EP 0571515	1/2/1997	European			
	AH	JP 63-079287	04/1988	Japan			X
	AI	JP 09-017127	01/1997	Japan			X
<i>lmo</i>	AJ	JP 10-050034	02/1998	Japan			X
	AK						
	AL						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION  
YES NO

<i>lmo</i>	AM	Office Action issued in Japanese Patent Application No. 11-179073, on February 7, 2006		
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EXAMINER

DATE CONSIDERED

CHRISTOPHER ONYAKU

10/3/06

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**ATTACHMENT 1(e)**

<b>EXPLANATION OF RELEVANCY OF REFERENCES</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C2	10/756,422
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP PART UNIT
	January 14, 2004	<del>2622</del> 2621

- leo* • Reference AI (JP 9-17127) is substantially equivalent to Reference AG (EP 0751515).
- leo* • Reference AJ (JP 10-050034) is substantially equivalent to Reference AA (US 6,009,234).

CHRISTOPHER DANAKU

10/3/06

**ATTACHMENT 1(f)****LIST OF COPENDING APPLICATIONS**

ATTORNEY DOCKET NO.

1293.1073C2

APPLICATION NO.

10/756,422

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP/ART UNIT

~~2622~~ 2621

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

**U.S. PATENT APPLICATION DOCUMENTS**

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
<i>lmo</i>	1	11/281,491	11/18/2005	Seong-Jin MOON et al.	Samsung Electronics Co., Ltd.
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	4				
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	6				
	7				
	8				

EXAMINER

*CHRISTOPHER ONYAKA*

DATE CONSIDERED

*10/3/06*

\*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



# ATTACHMENT 1(g)

<b>LIST OF ADDITIONAL SUBMITTED DOCUMENTS</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C2	10/756,422
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	2622-2621

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of document(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>bas</i>	AA	6,778,755 B1	08/17/2004	Seong-Jin MOON et al.			
<i>bas</i>	AB	6,873,785 B2	03/29/2005	Seong-Jin MOON et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO	
	AC							
	AD							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

						TRANSLATION YES NO	
	AE						

EXAMINER <i>CHRISTOPHER J. AKIN</i>	DATE CONSIDERED <i>10/3/06</i>
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Sheet 1 of 1

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1293.1073C2	APPLICATION NO. 10/756,422
LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)		FIRST NAMED INVENTOR Seong-jin MOON et al.	
		FILING DATE January 14, 2004	GROUP/ART UNIT 2615-2621

### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>lso</i>	AA	5,838,967	11/1998	Okayama et al.			
<i>lso</i>	AB	5,659,745	08/1997	Inoue			
<i>lso</i>	AC	5,902,115	05/1999	Katayama			
	AD						
	AE						
	AF						

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
<i>lso</i>	AG	6-76031	03/1994	Japan			X
<i>lso</i>	AH	4-188484	07/1992	Japan			X
<i>lso</i>	AI	8-339194	12/1996	Japan			X
	AJ						
	AK						
	AL						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

			TRANSLATION YES NO	
	AM			

EXAMINER  <i>CHRISTOPHER QUAKU</i>	DATE CONSIDERED  <i>10/3/06</i>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**ATTACHMENT 1(e)**

<b>EXPLANATIONS OF RELEVANCY OF REFERENCES</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C2	10/756,422
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	<del>2615</del> 2621

- 1) U.S. Patent No. 5,838,967 corresponds to Japanese Patent Publication 6-76031.
- 2) U.S. Patent No. 5,659,745 corresponds to Japanese Patent Publication 4-188484.
- 3) U.S. Patent No. 5,902,115 corresponds to Japanese Patent Publication 8-339194.

CHRISTOPHER OSAKI

10/3/06



## ATTACHMENT 1(i)

## LIST OF COPENDING APPLICATIONS

ATTORNEY DOCKET NO.	APPLICATION NO.
1293.1073C2	10/756,422
FIRST NAMED INVENTOR	
Seong-jin MOON et al.	
FILING DATE	GROUP ART UNIT
January 14, 2004	2645 26 21

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR § 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

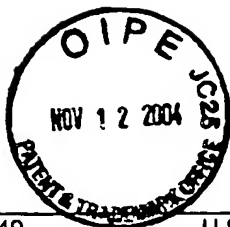
This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

## U.S. PATENT APPLICATION DOCUMENTS

*EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
<i>See</i>	1	10/756,421	01/14/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	2	10/945,946	09/22/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	3	10/842,690	05/11/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	4	10/842,440	05/11/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
<i>See</i>	5	10/756,423	01/14/2004	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
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	7				
	8				

EXAMINER	DATE CONSIDERED
CHRISTOPHER ONUAKU	10/3/06
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Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.

1293.1073C2

APPLICATION NO.

10/756,422

## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP ART UNIT

2015 3621

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
600	AG	753 854 A2	01/15/97	Europe				
	AH	753 854 A3	01/15/97	Europe				
	AI	295 148	12/14/88	Europe				
	AJ	730 272 A2	09/04/96	Europe				
	AK	730 272 A3	09/04/96	Europe				
600	AL	737 974 A3	10/16/96	Europe				

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	
	AN	

EXAMINER

CHRISTOPHER DUNAKU

DATE CONSIDERED

10/3/06

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Sheet 1 of 1

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE  
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ATTORNEY DOCKET NO.

1293.1073C2

APPLICATION NO.

10/756,422

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(Use several sheets if necessary)

FIRST NAMED INVENTOR

Seong-jin MOON et al.

FILING DATE

January 14, 2004

GROUP ART UNIT

~~2015~~ 2621

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
lee	AA	EP737974A2	10/16/96	Europe			N/A	
lee	AB	CN1177816A	4/1/98	China			Abstract	

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

lee	BA	English Language Chinese Office Action for Chinese Divisional Patent Application No. 01122435.5, dated June 11, 2004 (related to the present application)

EXAMINER

CHRISTOPHER D. WALKER

DATE CONSIDERED

10/3/06

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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1293.1073C2	APPLICATION NO.
LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)		FIRST NAMED INVENTOR Seong-jin MOON et al.	
		FILING DATE 1/14/04	GROUP ART UNIT 2621

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>lgo</i>	AA	6,047,103	4/2000	Yamauchi, et al.	<u>          </u>	<u>          </u>	
	AB	4,703,369	10/1987	Moriyama, et al.	<u>          </u>	<u>          </u>	
	AC	6,088,507	7/2000	Yamauchi, et al.	<u>          </u>	<u>          </u>	
	AD	6,148,138	11/2000	Sawabe, et al.	<u>          </u>	<u>          </u>	
<i>lgo</i>	AE	6,332,194	12/2001	Bloom, et al.	<u>          </u>	<u>          </u>	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
<i>lgo</i>	AF	9-17127	1/17/97	Japan	<u>          </u>	<u>          </u>	Abs	
	AG	6-314176	11/8/94	Japan	<u>          </u>	<u>          </u>	Abs	
	AH	8-287654	11/1/96	Japan	<u>          </u>	<u>          </u>	Abs	
	AI	10-50034	2/20/98	Japan	<u>          </u>	<u>          </u>	Abs	
	AJ	10-92155	4/10/98	Japan	<u>          </u>	<u>          </u>	Abs	
	AK	10-143978	5/29/98	Japan	<u>          </u>	<u>          </u>	Abs	
	AL	8-340507	12/24/96	Japan	<u>          </u>	<u>          </u>	Abs	
<i>lgo</i>	AM	EP 0965991 A1	12/22/99	Europe	<u>          </u>	<u>          </u>		

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION  
YES NO

	AM			
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EXAMINER  <i>CHRISTOPHER ONUAKI</i>	DATE CONSIDERED  <i>10/3/06</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>LIST OF REFERENCES CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C2	
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	1/4/04	2621

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
BA	6-314176	11/1994	Japan	—	—	Abstract only	
BB	8-287654	11/1996	Japan	—	—	Abstract only	
BC	10-50034	2/1998	Japan	—	—	Abstract only	
BD	10-92155	4/1998	Japan	—	—	Abstract only	
BE	10-143978	5/1998	Japan	—	—	Abstract only	
BF	8-340507	12/1996	Japan	—	—	Abstract only	

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

			TRANSLATION YES NO	
BG	Japanese Office Action for Japanese Application No. 2000-321764, dated September 2, 2003.			x

EXAMINER	DATE CONSIDERED
CHRISTOPHER J. J. J. J.	10/3/06
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**ATTACHMENT 1(f)**

<b>LIST OF COPENDING APPLICATIONS</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C2	
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	1/14/04	2621

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**U.S. PATENT APPLICATION DOCUMENTS**

EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
<i>lso</i>	1	09/592,109	June 12, 2000	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd
<i>lso</i>	2	09/592,110	June 12, 2000	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd
<i>lso</i>	3	10/020,979	December 19, 2001	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd
<i>lso</i>	4	10/137,366	May 3, 2002	Seong-jin MOON, et al.	Samsung Electronics Co., Ltd.
	5				
	6				
	7				
	8				

EXAMINER	DATE CONSIDERED
CHRISTOPHER ONYAKU	10/3/06
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	Seong-jin MOON et al.	
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	January 14, 2004	2621

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>bo</i>	AA	5,555,098	09/1996	Parulski			
<i>bo</i>	AB	5,838,967	11/1998	Okayama et al.			
	AC						
	AD						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
<i>bo</i>	AE	EP 0545446 A1	06/1993	Europe			
	AF	JP 64-048285	02/1989	Japan			X
	AG	JP 01-204163	08/1989	Japan			X
	AH	JP 01-263714	10/1989	Japan			X
	AI	JP 06-020443	01/1994	Japan			X
	AJ	JP 06-076031	03/1994	Japan			X
<i>bo</i>	AK	JP 08-036519	02/1996	Japan			X

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

			TRANSLATION YES NO	
<i>bo</i>	AL	Office Action issued in Japanese Patent Application No. 2004-134025 on May 9, 2006.		

EXAMINER  <i>CHRISTOPHER QUNAKU</i>	DATE CONSIDERED  <i>10/3/06</i>
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**ATTACHMENT 1(e)**

<b>EXPLANATIONS OF RELEVANCY OF REFERENCES</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1293.1073C2	10/756,422
	FIRST NAMED INVENTOR	
	Seong-jin MOON et al.	
	FILING DATE	GROUP ART UNIT
	January 14, 2004	2621

*ba* \* Reference AE (EP 0545446 A1) and AA (U.S. 5,555,098) are substantially equivalent to reference AI (JP 06-020443).

*ba* \* Reference AB (U.S. 5,838,967) is substantially equivalent to reference AJ (JP 06-076031).